SUBMITTED IN PARTIAL SATISFACTION OF
CONTRACT # DABT65-93-D-0002, DELIVERY ORDER 008

TO

MISSION CONTRACTING ACTIVITY
AND
BATTLE COMMAND BATTLE LABORATORY (BCBL)
COMBINED ARMS COMMAND, COMBAT DEVELOPMENTS (CAC, CD)

C4RDP S2 TRAINING PROGRAM OF INSTRUCTION

C4RDP SUPPORT SYSTEM (S2) VERSION 2.0 NEEDLINE PRIMARY/SECONDARY MEANS OF TRANSMISSION AND AUTOMATION EQUIPMENT SUPPORTED BY OPFAC RULES MODULE

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JUNE 30, 1993

EER SYSTEMS CORPORATION

TRAINING SYSTEMS DIVISION
529 DELAWARE STREET
LEAVENWORTH, KANSAS 66048

EER
SYSTEMS

1593 SPRING HILL ROAD
VIENNA, VA 22182

93 8 18 007

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93-19207

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EER Systems Corporation
Training Systems Division

11838 Rock Landing Drive
Newport News, Virginia 23606
(804) 873-3251

Contract Title: Delivery of Analytical Reports

Contract Number: DABT65-93-D-0002

Sponsoring Agency: Battle Command Battle Laboratory
                       U.S. Army Combined Arms Command
                       Fort Leavenworth, Kansas 66027-5300

Contracting Officer's Representative: Mr. Calvin Johnson

Submitted in Partial Satisfaction of:
Delivery Order 008

**C4RDP SUPPORT SYSTEM (S2) VERSION 2.0
NEEDLINE PRIMARY/SECONDARY MEANS OF
TRANSMISSION AND AUTOMATION EQUIPMENT
SUPPORTED BY OPFAC RULES MODULE**

PROGRAM OF INSTRUCTION

COURSE TITLE: C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

COURSE LENGTH:

       PEACETIME: 11 Hrs

       MOBILIZATION: N/A

TRADOC APPROVAL DATE: N/A

APPROVING AUTHORITY: Commander
                              CAC, CD
                              Ft. Leavenworth, KS 66027

SUPERSESSION INFORMATION: N/A

PROPONENT SCHOOL: US Army Combined Arms Command
                              Ft. Leavenworth, KS 66027

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Whenever pronouns or other references denoting gender appear in
this document, they are written to refer to either male or female
unless otherwise indicated.

COURSE NUMBER: N/A

TITLE: COMMAND, CONTROL, COMMUNICATIONS AND COMPUTER
        REQUIREMENTS DEFINITION PROGRAM (C4RDP)

TRAINING LOCATION: EER Systems
                    11838 Rock Landing Drive
                    Newport News, Virginia 23606

SPECIALTY: N/A

PURPOSE: To provide selected personnel with the skills and
            knowledge to be able to perform operator level
            functions in the various modules of the C4RDP.

SCOPE: Training will include all tasks required to
            install, operate, and maintain the User's portion
            of the C4RDP system. Personnel will have the
            knowledge to: log on the system using the assigned
            User ID/Password; access the data base; and
            perform the varied functions in each of the
            program's modules.

PREREQUISITES: US Army personnel and Department of the Army
            civilian personnel should have a basic knowledge
            of the following five subject areas:

            - The Army Battlefield Interface Concept (ABIC)
            - User Interface Descriptions (UIDs)
            - User Interface Requirements (UIRs)
            - Communications Data Base (CDB) Needlines
            - Operational Facility (OPFAC) Rules of Allocation

SECURITY CLEARANCE: SECRET (When using classified data bases)

DATA: PEACETIME   MOBILIZATION

    COURSE LENGTH: 11 hrs   N/A
    CLASS SIZE: MAXIMUM 6 (2 Computers)
                   OPTIMUM 3 (1 Computer)
                   MINIMUM 3

    ACADEMIC HOURS: 11

COURSE TYPE CODE: N/A

TRAINING START DATE: TBD

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COURSE SUMMARY

HOURS: 11

ACADEMIC TIME

Annex A:	Reindex Module	15 minutes
Annex B:	OPFAC Interaction Module	45 minutes
Annex C:	Voice Module	2 hours
Annex D:	Data Module	6 hours
Annex E:	System Administration Module	2 hours

COURSE: C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

TRAINING ANNEX: A - REINDEX MODULE OF C4RDP SOFTWARE

PURPOSE: To provide the student with information necessary to Reindex their C4RDP User Data Bases.

TOTAL HOURS: 15 minutes

ACADEMIC HOURS

TITLE/SECURITY CLASS	HRS/TYPE	SCOPE
Introduction (U)	5 min C	Explain the purpose of the Reindex module.
Reindex All Data Bases *(U)	10 min PE1	The student will Reindex all of the C4RDP User Data Bases.

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COURSE: C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

TRAINING ANNEX: B - OPFAC INTERACTION MODULE OF C4RDP SOFTWARE

PURPOSE: To provide the student with the knowledge and skills necessary to
            Add, Edit and Delete/Recall an OPFAC Issue Sheet.

TOTAL HOURS: 45 minutes

ACADEMIC HOURS

TITLE/SECURITY CLASS	HRS/TYPE	SCOPE
Introduction (U)	5 min C	Explain the OPFAC Issue Sheet process, software capabilities, and the difference between Proponency and Non-Proponency Rules.

PROPONENCY

TITLE/SECURITY CLASS	HRS/TYPE	SCOPE
Add an OPFAC Rule/ Issue *(U)	15 min PE1	The student will complete the necessary categories to generate a new OPFAC Rule. Once completed, the student will complete an Issue Sheet to justify the Addition of the rule to the OPFAC Board.
Edit an OPFAC Rule/ Issue *(U)	10 min PE1	The student will execute the commands to select an OPFAC Rule to be Edited, and take required actions to make changes as required.
Delete/Recall an OPFAC Rule/Issue *(U)	5 min PE1	The student will execute the commands to select an OPFAC Rule that is to be Deleted and demonstrate the procedures to be followed in Deleting the rule chosen. The student will also follow the on-screen prompts to Recall a previously Deleted OPFAC Rule.

*Classified when using classified data base

C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

TRAINING ANNEX: B (CONT)

<u>ACADEMIC HOURS</u>

TITLE/SECURITY CLASS	HRS/TYPE	SCOPE
NON-PROPONENCY		
Add Non-Prop Rule *(U)	5 min PE1	The student will make data entries for the five categories shown on the Non-Proponent Worksheet, thereby adding a local Rule for their usage.
Delete Non-Prop Rule *(U)	5 min PE1	The student will execute the commands, using the on-screen prompts, to Delete a Non-Proponent Worksheet.

*Classified when using classified data base

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COURSE: C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

TRAINING ANNEX: C - VOICE MODULE OF C4RDP SOFTWARE

PURPOSE: To provide the student with the knowledge and skills necessary to
            Add, Delete/Recall and Edit Voice needlines, and to generate
            Reports and Queries.

TOTAL HOURS: 2

ACADEMIC HOURS

TITLE/SECURITY CLASS	HRS/TYPE	SCOPE
Introduction (U)	5 min C	Explain the Voice needline generation process, software capabilities, and the procedures to follow when executing the commands in the File Maintenance, Reports and Query modules.

FILE MAINTENANCE

TITLE/SECURITY CLASS	HRS/TYPE	SCOPE
Add Records *(U)	30 min PE1	The student will execute the commands, using on-screen prompts, to make the appropriate selections in each of the various categories required to generate a new Voice needline.
Delete/Recall Records *(U)	10 min PE1	The student will execute the commands to select a Voice needline that is to be marked for Deletion. The student will also demonstrate the procedures to be followed when Recalling a previously Deleted needline.
Edit Records *(U)	15 min PE1	The student will execute the commands, using on-screen prompts, to Edit a Voice needline incorporating changes where required.

REPORTS

TITLE/SECURITY CLASS	HRS/TYPE	SCOPE
Statistical Information *(U)	5 min PE1	The student will generate a Voice needline Statistical Report.

*Classified when using classified data base

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C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

TRAINING ANNEX   C: (CONT)

ACADEMIC HOURS

TITLE/SECURITY CLASS	HRS/TYPE	SCOPE
C4RDP Message Codes *(U)	5 min PE1	The student will generate a Message Code Report.
VTR Output File *(U)	10 min PE1	The student will generate a Voice Transmission Requirement (VTR) Output File Report.
Volume of Transmission Report *(U)	10 min PE1	The student will generate a Volume of Transmission Report.

QUERIES

Purpose Code *(U)	10 min PE1	The student will generate a Query of Voice Transmission Requirements (VTRs), using the Purpose Codes as the Query criteria.
Function Code *(U)	10 min PE1	The student will generate a Query of Voice Transmission Requirements (VTRs) using the Function Codes as the Query criteria.
Message Code *(U)	10 min PE1	The student will generate a Query of Voice Transmission Requirements (VTRs) using the Message Codes as the Query criteria.

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COURSE: C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

TRAINING ANNEX: D - DATA MODULE OF C4RDP SOFTWARE

PURPOSE: To provide the student with the knowledge and skills necessary to perform ABIC File Maintenance, Report Generation, and ABIC Query Generation.

TOTAL HOURS: 6 hours

ACADEMIC HOURS

TITLE/SECURITY CLASS	HRS/TYPE	SCOPE
Introduction (U)	15 min C	Explain the software's role in the ABIC program.

FILE MAINTENANCE

A.) SYSTEM

Edit a Record *(U)	30 min PE1	The student will select a System Description and execute the appropriate actions to make changes as required.
Add a Record *(U)	5 min PE1	Demonstrate the procedure differences between Adding and Editing a System Description.
Delete/Recall a Record *(U)	5 min PE1	The student will select a System Description and execute the appropriate actions to Delete/Recall the selected System Description.
System Reports *(U)	10 min PE1	The student will select a System Description, establish Report parameters, and direct the Report to the printer.

B.) UID

Edit a Record *(U)	30 min PE1	The student will select a UID and execute the appropriate actions to make changes, as required.

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C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

TRAINING ANNEX   D: (CONT)

<u>**ACADEMIC HOURS**</u>

<u>TITLE/SECURITY CLASS</u>	<u>HRS/TYPE</u>	<u>SCOPE</u>
Add a Record *(U)	5 min PE1	Demonstrate the procedure differences between Adding and Editing a UID.
Delete/Recall Record *(U)	10 min PE1	The student will select a UID and execute the appropriate actions to Delete/Recall the selected UID.
Interface Reports *(U)	15 min PE1	The student will select a UID, establish Report parameters, and direct the Report to the printer.

<u>C.)   UIR</u>

Edit a record *(U)	80 min PE1	The student will select a UIR and execute the appropriate actions to make changes, as required.
Add a Record *(U)	10 min PE1	Demonstrate the procedure differences between Adding and Editing a UIR.
Delete/Recall Record *(U)	15 min PE1	The student will select a UIR and execute the appropriate actions to Delete/Recall the selected UIR.
UIR Graphics *(U)	20 min PE1	The student will select a UIR and step through Objective UIR Drawings.

Special Products

1.) Edit record *(U)	10 min PE1	The student will select a Special Product and execute the appropriate actions to make changes as required.
2.) Add Record *(U)	5 min PE1	Demonstrate the procedure differences between Adding and Editing a Special Product.

*Classified when using classified data base

C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

<u>TRAINING ANNEX</u>   D: (CONT)

<div align="center">

<u>ACADEMIC HOURS</u>
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<u>TITLE/SECURITY CLASS</u>	<u>HRS/TYPE</u>	<u>SCOPE</u>
3.) Delete/Recall *(U)	10 min PE1	The student will select a Special Product and execute the appropriate actions to Delete/Recall the selected Special Product.
File Maintenance User Log *(U)	5 min PE1	Demonstrate the purpose of the File Maintenance User Log.

<u>D.) ABIC Graphics</u>

Introduction	10 min C	Discuss the ABIC Graphics requirements.
ABIC Arch Drawing *(U)	15 min PE1	The student will select an existing architecture Drawing and direct the output to the printer.

REPORT GENERATION

Introduction (U)	10 min C	Discuss the differences between the individual module's Report Generation and this module's Reports.
Generate a System Descriptions Report *(U)	10 min PE1	The student will select a UID, establish Report parameters, and direct the Report to the printer.
Generate a UIR Report *(U)	15 min PE1	The student will select a UIR, establish Report parameters, and direct the Report to the printer.

QUERY GENERATION

Introduction (U)	10 min C	Discuss the purpose and operation of the Query module

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C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

<u>TRAINING ANNEX</u>   D: (CONT)

<u>ACADEMIC HOURS</u>

<u>TITLE/SECURITY CLASS</u>	<u>HRS/TYPE</u>	<u>SCOPE</u>
Generate a UID Query *(U)	10 min PE1	The student will establish the parameters for a UID Query and direct the output to the screen.

*Classified when using classified data base

COURSE: C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

TRAINING ANNEX: E - SYSTEM ADMINISTRATION MODULE OF C4RDP SOFTWARE

PURPOSE: To provide the student with the knowledge and skills necessary to
              perform Proponent/BFA System Administrator automated
              responsibilities.

TOTAL HOURS: 2 hours

ACADEMIC HOURS

TITLE/SECURITY CLASS	HRS/TYPE	SCOPE
Introduction (U)	5 min C	Explain the "three-tiered" approach to C4RDP System Administration.

SYSTEM CONFIGURATION

Configure System *(U)	5 min PE1	The student will execute the commands to Configure the hardware devices to indicate the paths and directories where data/backup files will reside.

PASSWORD FILE MAINTENANCE

Edit Existing User Record	5 min C	Explain the restrictions and capabilities of the software.
*(U)	10 min PE1	The student will Edit a User Password and restrict access to various C4RDP modules.
Add New User to the System	5 min PE1	Demonstrate the procedural differences between Editing, Adding, and Deleting a User record.
Password Report *(U)	5 min PE1	The student will execute the appropriate commands to generate a Password Report.

PACK DATA BASES

Discussion (U)	5 min C	Explain the procedures that the CAC-CD Administrator uses to Remove or Recall from the system's data bases those records previously marked for Deletion by the CAC-CD, BFA, or Proponent Administrator.

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C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

<u>TRAINING ANNEX</u>   E: (CONT)

C4RDP TABLE MAINTENANCE

Discussion (U)	5 min C	Explain the procedures that the CAC-CD Administrator uses to Edit, Add, or Delete entries from the C4RDP System's Tables.

BACKUP/RESTORE FUNCTIONS

Backup Data Files *(U)	20 min PE1	The student will execute the commands necessary to Backup Data Files to a backup directory or device.
Restore Data Files *(U)	5 min C	Explain the procedural differences in Backing up the system's data files and in Restoring those files from the backup device to the directory where they will reside.

IMPORT/EXPORT FUNCTION

Export Files *(U)	20 min PE1	The student will execute the commands necessary to Export data files to a higher level (i.e., BFA to CAC-CD).
Import Files *(U)	5 min C	Explain the procedural difference between Exporting and Importing data files to/from CAC-CD.

MANAGEMENT REPORTS

Generate a Report *(U)	5 min PE1	The student will select a Management Report from the list displayed and will execute the commands necessary to generate and print the Report.

TRANSACTION USER LOG MAINTENANCE

Print/View Transactions *(U)	5 min PE1	The student will display the system's Transaction Log to the screen, chronologically, by date.

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C4 REQUIREMENTS DEFINITION PROGRAM (C4RDP)

<u>TRAINING ANNEX</u>   E: (CONT)

		The student will also execute the commands to print the system's User Log in alphabetical order by User Name.
Remove Transactions *(U)	5 min PE1	The student will execute the commands to Remove, from the Transaction Log, selected Transaction Records that have either been printed or that occurred before a given date.

GENERATE FUSION PROCESS

Discussion *(U)	10 min C	Explain the procedures that the CAC-CD Administrator uses to generate DTR and VTR process output files and to reset Data Transmission Requirement (DTR)/VTR flags.

*Classified when using classified data base

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EQUIPMENT SUMMARY

EQUIPMENT REQUIRED:

C4RDP Dedicated Hardware which includes:

IBM compatible 386 Personal Computer
Laser Printer
Mouse